



Solusorb A

Water Retention Aid

Superabsorbent polymer for improved water management in many plant growing systems

Uses

Solusorb A is a synthetic superabsorbent polymer designed to improve the water retaining properties of many types of growing media with applications in the agriculture, horticulture, forestry and amenity sectors.

Also suitable for use as transplanting aid to reduce “transplant shock” and its effects.

Benefits

Solusorb A is able to absorb large amounts of water and, when mixed with a growing medium, increases its water holding capacity. In turn, a steady supply of water is provided to plant roots thereby encouraging optimum plant growth. In certain circumstances, such as hanging baskets, water use and watering frequency can be reduced.

The hydration/dehydration (absorbing and releasing water) cycles cause physical movement in the growing medium helping to maintain an open, aerated structure and promoting healthy conditions for root growth.

Potassium-based formulation which does not increase the sodium burden.

Chemical/physical data

Typical analysis:	100 % cross-linked copolymer of acrylamide and potassium acrylate.
Particle size:	0.5 – 3.0 mm.
Bulk density:	approx. 0.8 kg/dm ³

Ionicity: Anionic
Appearance: White granule

Solubility in water: Insoluble

Maximum water absorbance: 300 g/g deionised water
150 g/g water with 1,000 ppm NaCl
150 – 200 g/g within growing media

Approximately 60% maximum hydration is achieved after 1 hour.

Stability of hydrated gel: 3 – 5 years depending on conditions.

Directions for use

Growing media: Carefully mix 1 – 3 kg per m³ (1 -3 g per litre) depending on the natural water retentiveness of the medium.

Transplanting aid: Prepare a moderately adhesive gel by adding 1 kg of **Solusorb A** to 150 – 350 litres of water, depending on quality. Use this gel as a protective root dip immediately before planting out.

Contact Solufeed for more information about transplanting and other **Solusorb A** applications including grass establishment, plant transportation and propagation.

General information

Packaging: 25 kg net sack

Technical service: For further information, assistance and access to The Solufeed Advisory Service, please contact Solufeed at the address below.

Precautions

Store in a dry place and protect from extremes of temperature.

Detailed health and safety information may be found on the relevant Material Safety Data Sheet (MSDS) available on request from the address below.

Important

The information in this document has been prepared carefully and is provided in good faith. The application, use and processing of any material together with regulatory compliance is the absolute responsibility of the Buyer. All technical information or other advice provided by the Seller in any form is given without warranty to the full extent provided by law.

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